

Appl. No. 10/034,205

Reply to Office Action of: March 24, 2005

Amendments to the Specification

The following refers to the paragraph numbering indicated in the application as published:

Please replace paragraph [0002] with the following replacement paragraph:

[0002] The present invention relates to optical data transmission over ~~[[a]] fibre-optic [[cable]] cables and fibre-optic connections.~~

Please replace paragraph [0037] with the following replacement paragraph:

[0037] Referring to FIG. 4a, the nature of the encoding used in the embodiment of FIG. 4 is shown generally by numeral 400. A plurality of waveforms 410 are provided, each corresponding to a value 420. In this example, two wavelengths 412, 414 are used, each corresponding to a value 422, 424. As seen in more detail in FIG. 4c, a third waveform 416 is formed as the combination of the wavelengths 412, 414 (shown in a lighter shade) and has a value 426. Referring to FIG. 4b, an exemplary transmission 450 is shown. Each pulse 451, 452, 453, 454, 455, 456 corresponds to one of the waveforms and has the corresponding value.

Please replace paragraph [0051] with the following replacement paragraph:

[0051] Furthermore it is also possible to combine the effects such as polarization and phase characteristics with amplitude modification ~~whereby~~ thereby producing a much deeper bit value.

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